

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
5 July 2001 (05.07.2001)

PCT

(10) International Publication Number  
**WO 01/49079 A1**

(51) International Patent Classification<sup>7</sup>: **H05B 6/68**

(21) International Application Number: PCT/KR00/01346

(22) International Filing Date:  
22 November 2000 (22.11.2000)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
1999/56264 9 December 1999 (09.12.1999) KR  
1999/56267 9 December 1999 (09.12.1999) KR  
2000/9899 28 February 2000 (28.02.2000) KR

(71) Applicant (for all designated States except US): **SAM-SUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do 442-742 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAN, Yong,**

Woon [KR/KR]; 1228-803, Mock-ryun Hanyang Apartment, Sanbon-dong, Kumpo-city, Kyungki-do 435-040 (KR). JANG, Seong, Deog [KR/KR]; 111-45, Maetan-2-dong, Paldal-gu, Suwon-city, Kyungki-do 442-372 (KR). KANG, Kwang, Seok [KR/KR]; 304-803, Sunkyoung Apartment, Ingye-dong, Paldal-gu, Suwon-city, Kyungki-do 442-070 (KR). SUNG, Han, Jun [KR/KR]; 909-202, Jukong Apartment, 970-3, Youngtong-dong, Paldal-gu, Suwon-city, Kyungki-do 442-470 (KR).

(74) Agent: **JEONG, Hong, Sik;** 9th Floor, Daelim Building, 1600-3, Seocho-dong, Seocho-ku, Seoul 137-070 (KR).

(81) Designated States (national): CA, CN, JP, US.

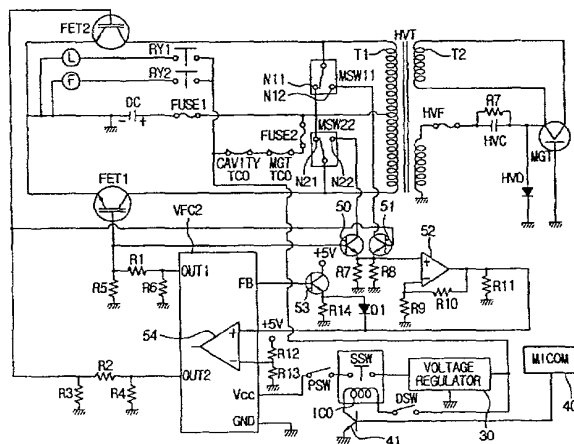
(84) Designated States (regional): European patent (DE, FR, GB).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **DRIVING CIRCUIT OF DC MICROWAVE OVEN AND METHOD OF CONTROLLING THE SAME**



(57) Abstract: The present invention relates to a driving circuit of a DC microwave oven and a method of controlling the same for driving a magnetron through a conversion of a DC voltage into an AC voltage. The driving circuit includes an excessive current detecting unit is provided for detecting a current supplied from the DC power supply to the inverting unit, and outputting an excessive current detecting signal to the pulse driving unit to cut off the generation of the driving pulses of the pulse driving unit if the detected current corresponds to an excessive current. The driving method includes a) driving the pulse driving unit by controlling the switching unit if a cooking chamber door is closed and a cooking start selection signal is inputted; b) detecting whether an excessive current is supplied to the high voltage transformer through the inverting unit driven by the pulse driving unit; and c) cutting off the voltage supply to the magnetron by stopping the driving of the pulse driving unit if the excessive current is detected.

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